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1st Notice

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RMRS Bldg. 116

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Should you no longer **need** or do not **want** this MANUAL/PROCEDURE/PLAN, please return.

The documents being transmitted to you are:

Document No.

Document Title

4-I51-ENV-OPS-FO.33 96-DMR-ERM-0038 REV. 1

Treated Effluent Recirculation Consolidated Water Treatment Facility Building 891

Instructions: Remove and destroy pages 13 and 15 of the above noted procedure; replace pages 13 and 15 with the attached pages.

Signing Receipt Acknowledgement indicates you have read and understand the above documents. MUST BE RETURNED WITHIN 14 DAYS OF RECEIPT

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ADMA PELGR**D**

A-SW-002396

TREATED EFFLUENT RECIRCULATION

ENVIRONMENTAL MANAGEMENT DEPARTMENT
4-I51-ENV-OPS-FO.33

COPY # 35

REVISION 1

CONSOLIDATED WATER TREATMENT FACILITY

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6.4 TREATED EFFLUENT STORAGE TANK RECIRCULATION (WITHOUT TREATMENT) FOR SAMPLING

Lead Operator/Operator

- Ensure that the recirculation valves for the tanks that will not be recirculated are LOCKED CLOSED, and that an operational lock(s) have been applied to the appropriate valves:
 - HVC-205, T-205 Recirculation
 - HVC-206, T-206 Recirculation
 - HVC-207, T-207 Recirculation
- [2] OPEN HV-502, Recirculation to IX and HV-503, Recirculation.
- [3] CLOSE HV-501, Recirculation to UV and HV-500, Recirculation from Effluent Storage Tanks.
- [4] CLOSE the following valves:
 - V-2, P-1 Service Outlet
 - V-95, Plant Effluent
 - V-128, Gamma Detection Isolation
 - HVB-203, IX Feed from T-203
- [5] OPEN the appropriate valves for the tank to be recirculated:
 - For Tank T-205, OPEN HVA-205, Plant Effluent/T-205 Influent and HVC-205, T-205 [A] Recirculation.
 - For Tank T-206, OPEN HVA-206, Plant Effluent/T-206 Influent and HVC-206, T-206 ſΒΊ Recirculation.
 - For Tank T-207, OPEN the following valves:
 - HVA-207, Plant Effluent/T-206 Influent
 - HVC-207, T-207 Recirculation
 - HVD-207, T-207 Isolation
- [6] Verify that the Ion Exchange Auto switch is OFF.
- [7] Energize the Ion Exchange Control Panel by placing the Input/Output switch to ON.
- [8] Start Pump P-1 by placing the selector switch on the Ion Exchange Control Panel to HAND.





6.5 TREATED EFFLUENT STORAGE TANK RECIRCULATION (WITHOUT TREATMENT) FOR NEUTRALIZATION

Lead Operator/Operator

- [1] Ensure that the recirculation valves for the tanks that will not be recirculated are LOCKED CLOSED, and that an operational lock(s) have been applied to the appropriate valves:
 - HVC-205, T-205 Recirculation
 - HVC-206, T-206 Recirculation
 - HVC-207, T-207 Recirculation
- [2] OPEN HV-502, Recirculation to IX and HV-503, Recirculation.
- [3] CLOSE HV-501, Recirculation to UV and HV-500, Recirculation from Effluent Storage Tanks.
- [4] CLOSE the following valves:
 - V-2, P-1 Service Outlet
 - V-95, Plant Effluent
 - V-128, Gamma Detection Isolation
 - HVB-203, IX Feed from T-203
- [5] OPEN the appropriate valves for the tank to be recirculated:
 - [A] For Tank T-205, OPEN HVA-205, Plant Effluent/T-205 Influent and HVC-205, T-205 Recirculation.
 - [B] For Tank T-206, OPEN HVA-206, Plant Effluent/T-206 Influent and HVC-206, T-206 Recirculation.
 - [C] For Tank T-207, OPEN the following valves:
 - HVA-207, Plant Effluent/T-206 Influent
 - HVC-207, T-207 Recirculation
 - HVD-207, T-207 Isolation
- [6] Verify that the Ion Exchange Auto switch is OFF.
- [7] Energize the Ion Exchange Control Panel by placing the Input/Output switch to ON.
- [8] Start Pump P-1 by placing the selector switch on the Ion Exchange Control Panel to HAND.